CLAIMS:

1.   An apparatus for time scaling a signal comprising:
            means for receiving (501) an input signal comprising a first signal and
extension data;
            means for generating (503, 505) a time scaled signal of the first signal;
            means for generating (507) a plurality of frequency sample blocks for the time
scaled signal, each frequency sample block corresponding to a fixed time interval of the time
scaled signal, the fixed time interval being independent of a time scaling factor;
            means for determining a first time association (515) between a first parameter
value of the extension data and a first frequency sample block having an associated first time
interval of the time scaled signal;
            means for determining (515) a second parameter value associated with a
second frequency sample block in response to the first time association and the first
parameter value;
            means for modifying data (509) of the second frequency sample block in
response to the second parameter value; and
            means for generating time domain output sample blocks (511, 513) from the
frequency sample blocks.

2.   An apparatus as claimed in claim 1 wherein the means for determining the first
time association (515) is operable to determine the first frequency sample block as that
having an associated time interval corresponding to a time instant associated with the first
parameter value.

3.   An apparatus as claimed in claim 1 wherein the first time association
comprises an indication of a time position of the parameter value within the first time
interval.

4.   An apparatus as claimed in claim 1 further comprising means for determining
(515) a second time association between a third parameter value of the extension data and a

third frequency sample block; and wherein means for determining the second parameter value (515) is operable to perform an interpolation in response to the first parameter value, the first time association, the third parameter value and the second time association.

5   5.   An apparatus as claimed in claim 4 wherein the interpolation is a linear interpolation.

       6.   An apparatus as claimed in claim 1 wherein the means for determining the first time association (515) is operable to determine the first time association in response to a
10   previous time association.

       7.   An apparatus as claimed in claim 1 further comprising means for determining (515) a scaled time offset between consecutive parameter values of the extension data and wherein the means for determining the first time association (515) is operable to determine a
15   ·time instant of the first parameter value in response to a previous parameter value and the scaled time offset and to generate the time association in response to the time instant.

       8.   An apparatus as claimed in claim 7 wherein the means for determining the second parameter value (515) is operable to associate the first parameter value with a
20   nominal time position within the first time interval in response to the time association and to determine the second parameter value in response to the first parameter value and the nominal time position.

       9.   An apparatus as claimed in claim 8 wherein the means for determining the
25   second parameter value (515) is operable to determine the second parameter value in response to an interpolation in response to the first parameter value and the nominal time position.

       10.   An apparatus as claimed in claim 1 wherein the input signal is a parametric
30   encoded audio signal.

       11.   An apparatus as claimed in claim 1 wherein the means for generating the frequency sample blocks (507) comprise complex-exponential modulated filter banks

12.   An apparatus as claimed in claim 1 wherein the extension data comprises parametric stereo data.

13.   An apparatus as claimed in claim 12 wherein the first parameter value is a parameter value of a stereo image parameter selected from the group consisting of:
a.   Inter-channel Intensity Differences parameters;
b.   Inter-channel Time or Phase differences parameters; and
c.   Inter-Channel Coherence parameters.

14.   An apparatus as claimed in claim 1 wherein the means for modifying (509) is operable to modify the data of the second frequency sample block to generate at least a first stereo channel frequency sample block.

15.   A method of time scaling a signal, the method comprising the steps of:
           receiving an input signal comprising a first signal and extension data;
           generating a time scaled signal of the first signal;
           means for generating a frequency sample blocks for the time scaled signal, each frequency sample block corresponding to a fixed time interval of the time scaled signal, the fixed time interval being independent of the time scaling factor;
           determining a first time association between a first parameter value of the extension data and a first frequency sample block having an associated first time interval of the time scaled signal;
           determining a second parameter value associated with a second frequency sample block in response to the first time association and the first parameter value;
           modifying data of the second frequency sample block in response to the second parameter value; and
           generating time domain output sample blocks from the frequency sample blocks.

16.   A computer program enabling the carrying out of a method according to claim 15.

17.   A record carrier comprising a computer program as claimed in claim 16.